

Computing Systems Services Technical Bulletin

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Standard Output Classes

The following output classes are currently available for general use. These output classes can be specified by using the MSGCLASS=class parameter on the JOB card and by using the SYSOUT=class parameter on a DD statement. See page 4 for a definition of terms. If you have any questions regarding this Bulletin, please contact the HELP CENTER.

Output Device	Output Class	Description
Terminal	X	Terminal browsing. When finished browsing, the user must delete the output or direct it to a printer. Example: //ddname DD SYSOUT=X
Card Punch	B	Standard cards. Example: //ddname DD SYSOUT=B Note: MSGCLASS=B should not be used.
	K	Special cards, user supplied. Example: //ddname DD SYSOUT=(K,,nnnn) where nnnn is the form number assigned by the computer center. Note: MSGCLASS=K should not be used.
Impact Printer	A	Standard 1-part paper, 11 x 14.5 inches. Example: //ddname DD SYSOUT=A
	J	Special forms including multi-part standard paper. Example: //ddname DD SYSOUT=(J,,nnnn) where nnnn is the form number assigned by the computer center. Note: MSGCLASS=J should not be used.
Page Printer	P	Landscape, regular paper. Example: //ddname DD SYSOUT=P
	3	Landscape, three-hole paper. Example: //ddname DD SYSOUT=3

	S	Portrait, regular paper. Example: //ddname DD SYSOUT=S
	4	Portrait, three-hole paper. Example: //ddname DD SYSOUT=4
	F	Special forms or print options. Example: //ddname DD SYSOUT=(F,,nnnn) where nnnn is the form number or print option code assigned by the computer center. The print options currently available are shown in the table on page 3. Note: MSGCLASS=F should not be used.
	H	Output held for special printing. Example: //ddname DD SYSOUT=H,HOLD=YES This class should be used only when no other class, form number, or print option can be used, and HOLD=YES should always be specified. This output will not be printed unless Computer Operations has received specific print instructions.
	E	Reserved to print offline only. Will print landscape, 200 columns across with plain paper. Example: //ddname DD SYSOUT=E
	D	Duplex Double Density. Example: //ddname DD SYSOUT=D
	V	Reserved for DJDE output printing. Example: //ddname DD SYSOUT=V
	Z	Reserved for DUMMY output printing. Example: //ddname DD SYSOUT=Z Any output assigned to Z will be DUMMIED and no output will be printed.

Page Printer Notes

1. All page printer output is normally 8.5 x 11 inch, standard 20 lb. white paper. Other weights and colors can be specified by an appropriate form number if prior arrangements have been made.
2. Multiple copies can be requested by using a /*JOBPARM COPIES=n statement immediately following the JOB card or by adding the COPIES=n option to the SYSOUT statement. The COPIES option in DJDE commands is currently ignored by all output classes except class H.

Example: //ddname DD SYSOUT=P,COPIES=2
 //ddname DD SYSOUT=(F,,nnnn) ,COPIES=3

3. Consider using the statement //ddname DD SYSOUT=* instead of the SYSOUT classes X, A, P, 3, S, and 4. Using SYSOUT=* will cause the output class to be whatever is specified in the MSGCLASS parameter on the JOB card. If MSGCLASS is omitted, the default class is A. This technique is extremely useful for switching the SYSOUT files of a job stream from one class to another by simply changing a single parameter in the JOB card.

Class F Print Options		
Print Option	Regular Paper	Three-Hole Paper
Landscape		
Duplex	L001	L002
Shaded	L003	L004
Duplex and Shaded	L005	L006
Portrait		
Duplex	P001	P002
Shaded	P003	P004
Duplex and Shaded	P005	P006
Double Density	P007	P008
Double Density and Duplex	P009	P010
**Shaded (8.1 LPI, 13.6 CPI)	P011	P012
**Duplex & Shaded (8.1 LPI, 13.6 CPI)	P013	P014
Examples	1. //ddname DD SYSOUT=(F,,L005) will request Landscape, Duplex, Shaded output on regular paper (no holes).	
	2. //ddname DD SYSOUT=(F,,P010) will request Portrait, Double Density, Duplex output on three-hole paper.	

** New output class additions which will allow printing of 100 columns across and 80 lines down. The shading consists of 3/8 inch bars of light shading with 3/8 inch no shading. A bold font will be used for the printed output.

Definition of Terms

DJDE

Dynamic Job Description Entries are used to dynamically modify the printing environment. DJDE records must be embedded in the print data stream, and they are processed during printing by the Xerox 9700 page printer. The commands placed in the DJDE records will override the start command issued by the operator. This feature allows the user to have full control over the format of the output.

Double Density

Two full, 132-column pages printed on one side of a portrait sheet of paper. This option is normally used to save paper on large, occasionally-used output.

Duplex

Pages printed on both sides of a sheet of paper.

Form Number

A four-character code or number which specifies a particular special form. All form numbers are pre-assigned by the computer center.

Impact Printer

A printing device which prints line by line using a print-train and ribbon, with paper ranging from 11 x 14.5 inch regular stock, to special forms and labels.

Landscape

Sheet orientation whose horizontal side is longer than its vertical side. This option is normally used for output with more than 80 print columns. Note: Double density will also accommodate more than 80 print columns.

Page Printer

A printing device which combines computer, laser, and xerographic technologies to print computer output. The Xerox 9700 page printer prints on 8.5 x 11 inch sheets of paper at a rate of two pages per second—up to 18,000 lines per minute depending on print format.

Portrait

Sheet orientation whose vertical side is longer than its horizontal side. This option is

normally used for output with 80 or fewer print columns. Note: Double density will accommodate more than 80 print columns.

Regular Paper

8.5 x 11 inch, white paper, 20 lb. (no holes).

Shaded

A special form overlaid on the paper consisting of alternating 0.5 inch bars of light shading with 0.5 inch bars of no shading. This shading is similar to the shading on standard computer paper presently used on the impact printer. This option is normally used to help the reader follow a print line across the page.

Special Form

Anything other than standard 1-part 11 x 14.5 inch paper on the impact printer, or 8.5 x 11 inch standard printing on the Xerox 9700 page printer. To establish a new special form and to obtain a form number, it is necessary to work with someone in the computer center to develop or review the form and to make the necessary arrangement. Most special forms currently existing for the impact printer could be converted to the page printer if desired.

Three-Hole Paper

8.5 x 11 inch, white paper, 20 lb. with three holes drilled on the 11 inch side which fit a standard 3-ring binder.